

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-10 (Canceled)

Claim 11 (New): A heat-transport device comprising:

a refrigerant;

an evaporator formed between a glass and a substrate;

a condenser formed between a glass and a substrate;

a liquid passage linking the evaporator and condenser configured to allow the refrigerant to flow from the condenser to the evaporator;

a gas passage linking the evaporator and condenser configured to allow the refrigerant to flow from the evaporator to the condenser; and

a wick being included in one of the evaporator, the condenser, the liquid passage, or the gas passage, wherein the glass and/or the substrate is covered with a stable material.

Claim 12 (New): A heat-transport device according to Claim 11, wherein the substrate is Si.

Claim 13 (New): A heat-transport device according to Claim 11, wherein the stable material is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 14 (New): A heat-transport device according to Claim 11, wherein the refrigerant is a material including hydrogen.

Claim 15 (New): A heat-transport device according to Claim 11, wherein the wick is covered with the stable material.

Claim 16 (New): A heat-transport device according to Claim 11, the glass and the substrate is bonded by anodic bonding.

Claim 17 (New): A method for manufacturing a heat-transport device, the method comprising:

- forming an evaporator between a glass and a substrate;
- forming a condenser between a glass and a substrate;
- forming a liquid passage and a gas passage between the evaporator and condenser;
- forming a wick being in one of the evaporator, the condenser, the liquid passage, or the gas passage; and
- coating the glass and/or the substrate with a stable material.

Claim 18 (New): The method of Claim 17, wherein the substrate is Si.

Claim 19 (New): The method of Claim 17, wherein the stable material used to coat the glass and/or substrate is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 20 (New): The method of Claim 17, wherein the refrigerant is a material including hydrogen atom.

Claim 21 (New): The method of Claim 17, wherein the wick is covered with the stable material.

Claim 22 (New): A method of Claim 17, wherein the glass and the substrate are bonded by anodic bonding.